

in nodes :
 10 25 26 27 28 32
 g nodes :
 1 2 3 4 5 6 7 8 9 11 12 13 14 15 16 17 18 19 20 21 22
 in bonds :
 7-10 9-32 10-12 15-17 25-26 27-28
 g bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 11-12 11-16 12-13 13-14 14-15
 15-16 17-18 17-22 18-19 19-20 20-21 21-22
 ct/norm bonds :
 6-9 8-9 9-32 10-12 11-12 11-16 12-13 13-14 14-15 15-16 15-17 25-26 27-28
 ct bonds :
 5-7 7-8 7-10
 malized bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22
 lated ring systems :
 containing 1 : 17 :

s, [*1], [*2]

ch level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS 11:Atom
 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom
 22:Atom 25:CLASS 26:CLASS 27:CLASS 28:CLASS 32:CLASS

10/601347

=> s l1

SAMPLE SEARCH INITIATED 16:13:07 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 78 TO ITERATE

100.0% PROCESSED 78 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1031 TO 2089
PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 16:13:20 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1525 TO ITERATE

100.0% PROCESSED 1525 ITERATIONS 37 ANSWERS
SEARCH TIME: 00.00.01

L3 37 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	155.84	156.05

FILE 'CAPLUS' ENTERED AT 16:13:27 ON 02 APR 2004
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FILE COVERS 1907 - 2 Apr 2004 VOL 140 ISS 15
FILE LAST UPDATED: 1 Apr 2004 (20040401/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

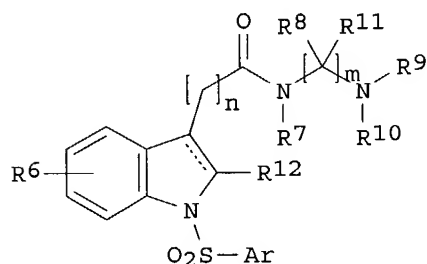
L4 6 L3

=> d l4 1-6 bib abs hitstr

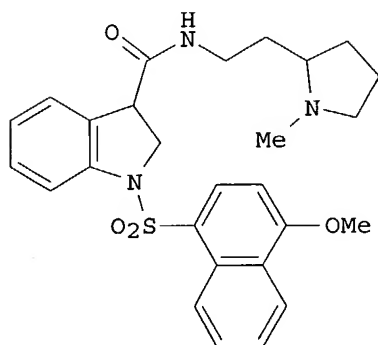
10/601347

L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:656572 CAPLUS
DN 139:197363
TI Preparation of 1-arylsulfonyl-3-substituted indoles and indolines for the
treatment of central nervous system disorders
IN Spinks, Daniel; Armer, Richard E.; Miller, David J.; Rankovic, Zoran;
Spinks, Gayle; Mestres, Jordi; Jaap, David Robert
PA Akzo Nobel N.V., Neth.
SO PCT Int. Appl., 41 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003068220	A1	20030821	WO 2003-EP50010	20030205
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRAI	EP 2002-75584	A	20020212		
OS	MARPAT 139:197363				
GI					



I



II

AB The title compds. [I; Ar = (un)substituted (hetero)aryl; n = 0-1; m = 0-5; R6 = H, alkyl, alkoxy, etc.; R7 = H, alkyl, aryl, arylalkyl; or R7 together with R9 or with one of R8 forms 4-7 membered saturated ring; R8 = H, alkyl, aryl; or one of R8 together with R7 or R9 or the geminal R11 forms 4-7 membered saturated ring, and other R8 = H, alkyl or (un)substituted aryl; R9, R10 = H, alkyl, aryl, arylalkyl; or NR9R10 = 5-7 membered (un)saturated ring optionally containing O or N atoms; R11 = H, alkyl; or one of R11 together with R10 or with the geminal R8 forms 4-7 membered saturated ring, and the other R11 = H, alkyl], useful in the treatment of central nervous disorders such as psychosis, schizophrenia, manic depressions, depressions, neurol. disorders, cognitive enhancement, Parkinson' s disease, amyotrophic lateral sclerosis, Alzheimer' s disease and Huntington' s disease, were prepared E.g., a 4-step synthesis of II (starting from 1H-indole-3-carboxylic acid) which showed pKi of > 7.5 against 5-HT6 receptor binding, was given. Pharmaceutical composition comprising the compound I is claimed.

IT 583814-67-9P 583814-79-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 1-arylsulfonyl-3-substituted indoles and indolines for the treatment of central nervous system disorders)

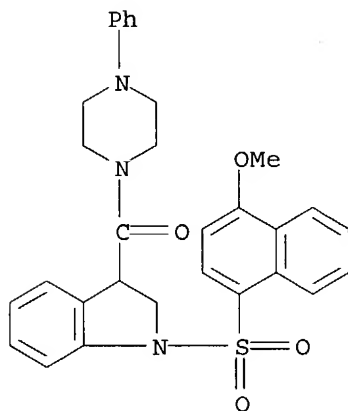
RN 583814-67-9 CAPLUS

CN Piperazine, 1-[[2,3-dihydro-1-[(4-methoxy-1-naphthalenyl)sulfonyl]-1H-indol-3-yl]carbonyl]-4-phenyl-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 583814-66-8

CMF C30 H29 N3 O4 S

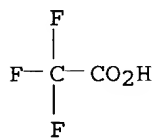


CM 2

CRN 76-05-1

CMF C2 H F3 O2

10/601347



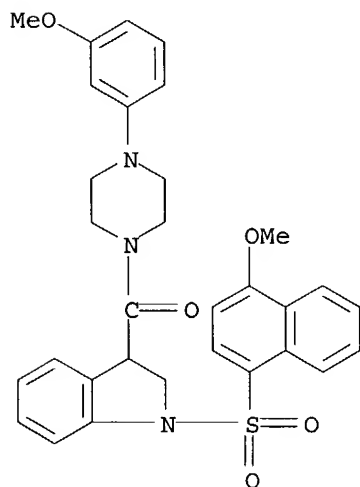
RN 583814-79-3 CAPLUS

CN Piperazine, 1-[[2,3-dihydro-1-[(4-methoxy-1-naphthalenyl)sulfonyl]-1H-indol-3-yl]carbonyl]-4-(3-methoxyphenyl)-, mono(trifluoroacetate) (9CI)
(CA INDEX NAME)

CM 1

CRN 583814-78-2

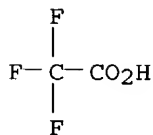
CMF C31 H31 N3 O5 S



CM 2

CRN 76-05-1

CMF C2 H F3 O2



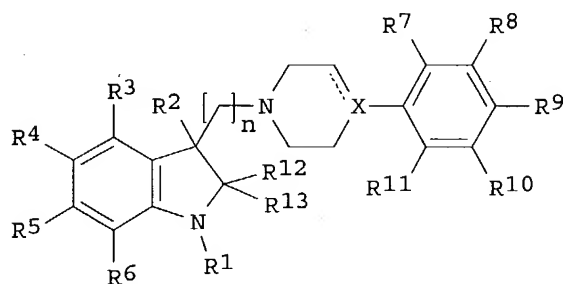
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/601347

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:504779 CAPLUS
DN 137:78967
TI Preparation of 3-{2-[4-phenylpiperazino(or piperidino)]ethyl}indolines
useful in the treatment of psychiatric and neurologic disorders
IN Kehler, Jan; Bang-Andersen, Benny
PA H. Lundbeck A/S, Den.
SO PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

APPS

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002051833	A1	20020704	WO 2001-DK835	20011218
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	EP 1345921	A1	20030924	EP 2001-271969	20011218
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
	NO 2003002636	A	20030611	NO 2003-2636	20030611
	US 2004044007	A1	20040304	US 2003-601347	20030617
PRAI	DK 2000-1931	A	20001222		
	WO 2001-DK835	W	20011218		
OS	MARPAT 137:78967				
GI					



I

AB The title compds. [I; R1 = acyl, thioacyl, trifluoromethylsulfonyl, etc.; n = 1-6; X = C, CH, N, and the dotted line emanating from X indicates a bond when X = C and no bond when X = N or CH; R2, R12, R13 = H, alkyl; R3-R11 = H, halo, CN, etc.] or their pharmaceutically acceptable acid addition salts, useful in the treatment of psychiatric and neurol. disorders, in particular psychoses, were prepared and formulated. Thus, alkylating 1-(3,4-dimethylphenyl)piperazine with (+)-2-(1-acetyl-2,3-dihydro-1H-indol-3-yl)ethyl bromide in the presence of K2CO3 in MeCN afforded the piperazine I.HCl [R1 = COMe; n = 2; X = N; R2-R7, R10-R13 = H; R8, R9 =

10/601347

Me] which showed 88% inhibition at the D4 receptor at 50 nM and IC50 of 5.0 nM at the 5-HT2A receptor.

IT 439933-75-2P 439933-76-3P 439933-78-5P
439933-79-6P 439933-83-2P 439933-84-3P
439933-85-4P 439933-86-5P

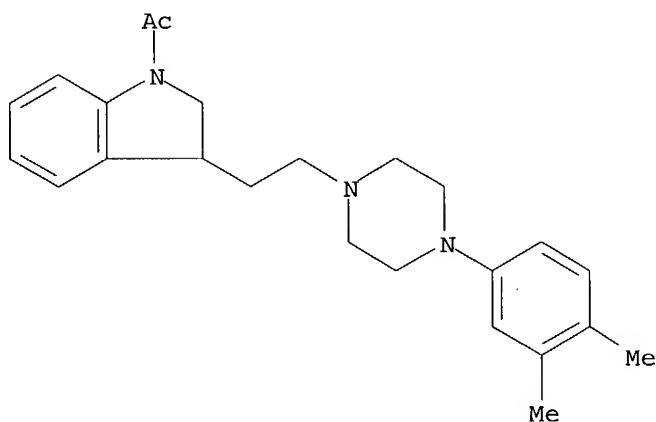
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 3-{2-[4-phenylpiperazino(or piperidino)]ethyl}indolines useful in the treatment of psychiatric and neurol. disorders)

RN 439933-75-2 CAPLUS

CN 1H-Indole, 1-acetyl-3-[2-[4-(3,4-dimethylphenyl)-1-piperazinyl]ethyl]-2,3-dihydro-, hydrochloride, (+)- (9CI) (CA INDEX NAME)

Rotation (+).



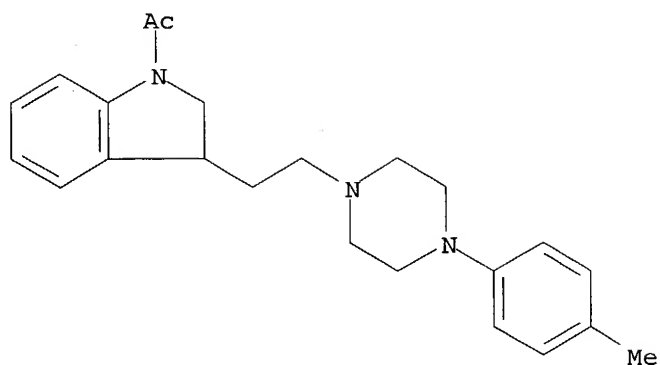
●x HCl

RN 439933-76-3 CAPLUS

CN 1H-Indole, 1-acetyl-2,3-dihydro-3-[2-[4-(4-methylphenyl)-1-piperazinyl]ethyl]-, hydrochloride, (+)- (9CI) (CA INDEX NAME)

Rotation (+).

10/601347

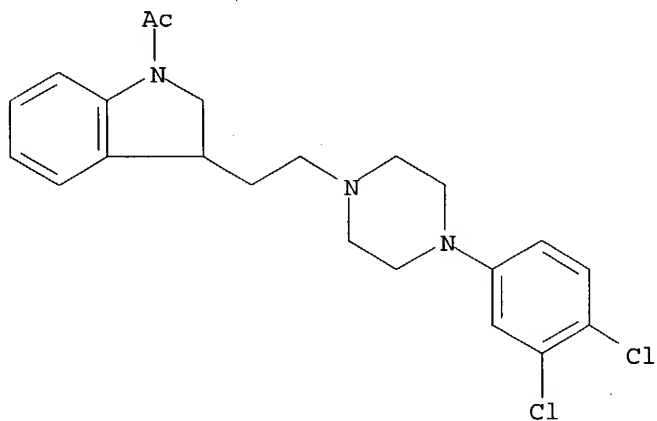


●x HCl

RN 439933-78-5 CAPLUS

CN 1H-Indole, 1-acetyl-3-[2-[4-(3,4-dichlorophenyl)-1-piperazinyl]ethyl]-2,3-dihydro-, hydrochloride, (+)- (9CI) (CA INDEX NAME)

Rotation (+).



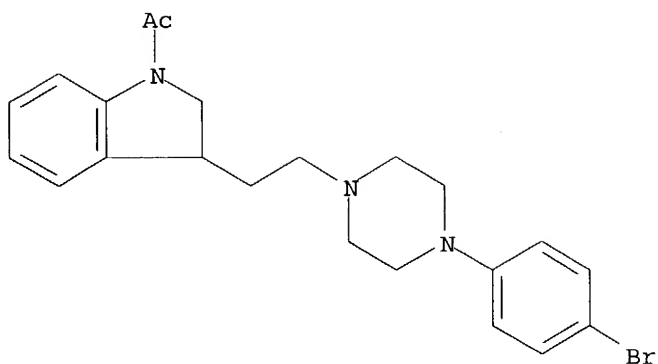
●x HCl

RN 439933-79-6 CAPLUS

CN 1H-Indole, 1-acetyl-3-[2-[4-(4-bromophenyl)-1-piperazinyl]ethyl]-2,3-dihydro-, hydrochloride, (+)- (9CI) (CA INDEX NAME)

Rotation (+).

10/601347

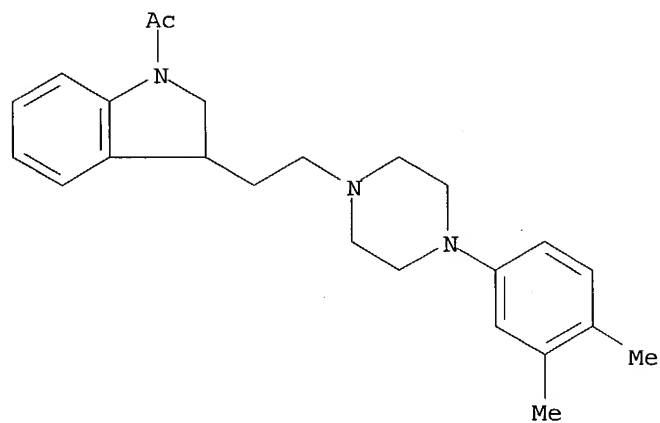


●x HCl

RN 439933-83-2 CAPLUS

CN 1H-Indole, 1-acetyl-3-[2-[4-(3,4-dimethylphenyl)-1-piperazinyl]ethyl]-2,3-dihydro-, (+)- (9CI) (CA INDEX NAME)

Rotation (+).

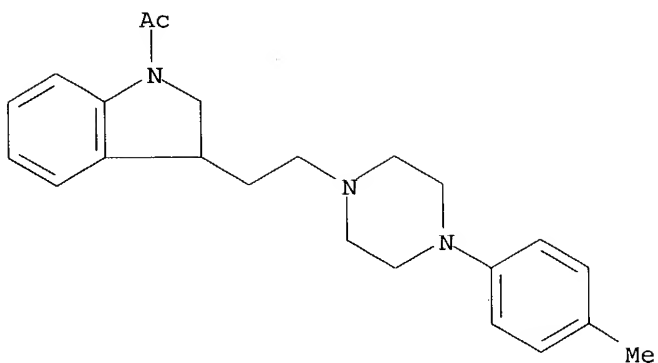


RN 439933-84-3 CAPLUS

CN 1H-Indole, 1-acetyl-2,3-dihydro-3-[2-[4-(4-methylphenyl)-1-piperazinyl]ethyl]-, (+)- (9CI) (CA INDEX NAME)

Rotation (+).

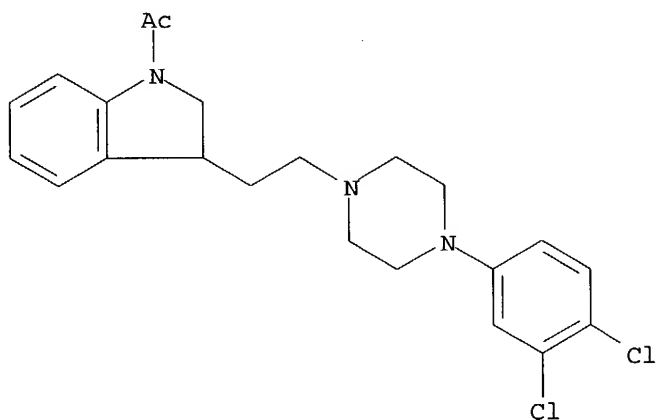
10/601347



RN 439933-85-4 CAPLUS

CN 1H-Indole, 1-acetyl-3-[2-[4-(3,4-dichlorophenyl)-1-piperazinyl]ethyl]-2,3-dihydro-, (+)- (9CI) (CA INDEX NAME)

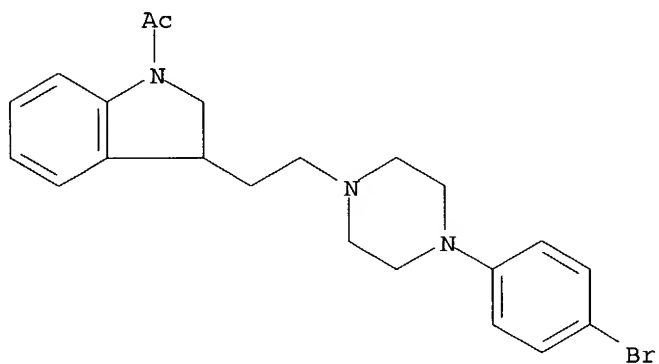
Rotation (+).



RN 439933-86-5 CAPLUS

CN 1H-Indole, 1-acetyl-3-[2-[4-(4-bromophenyl)-1-piperazinyl]ethyl]-2,3-dihydro-, (+)- (9CI) (CA INDEX NAME)

Rotation (+).



10/601347

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/601347

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1991:17582 CAPLUS

DN 114:17582

TI Preparation of piperaziny derivatives, and their use as serotoninerbic agonists in the treatment of central nervous system disorders

IN Perregaard, Jens; Stenberg, John Willie

PA Lundbeck, H., og Co. A/S, Den.

SO Eur. Pat. Appl., 18 pp.

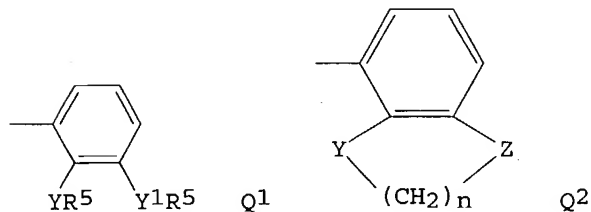
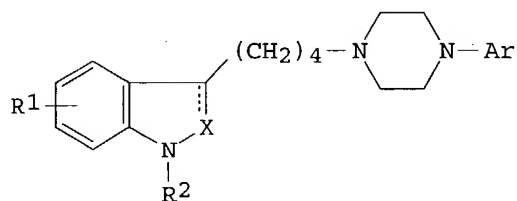
CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 376607	A1	19900704	EP 1989-313371	19891220
	EP 376607	B1	19940302		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	DK 8906456	A	19900629	DK 1989-6456	19891219
	DK 169266	B1	19940926		
	AT 102184	E	19940315	AT 1989-313371	19891220
	ES 2062050	T3	19941216	ES 1989-313371	19891220
	CA 2006356	AA	19900628	CA 1989-2006356	19891221
	CA 2006356	C	19990914		
	AU 8947198	A1	19900705	AU 1989-47198	19891222
	AU 637991	B2	19930617		
	US 5002948	A	19910326	US 1989-456938	19891226
	NO 8905281	A	19900629	NO 1989-5281	19891227
	NO 174772	B	19940328		
	NO 174772	C	19940706		
	JP 02225460	A2	19900907	JP 1989-336755	19891227
	JP 2895121	B2	19990524		
	ZA 8909960	A	19901128	ZA 1989-9960	19891228
	FI 93005	B	19941031	FI 1989-6300	19891228
	FI 93005	C	19950210		
	IL 92990	A1	19950124	IL 1990-92990	19900107
PRAI	GB 1988-30312	A	19881228		
	EP 1989-313371	A	19891220		
OS	MARPAT 114:17582				
GI					



AB The title derivs. I [dotted line is optional bond; X = CH, CH₂, N(H), C:O; R₁ = H, halogen, (un)branched C1-6 alk(en)yl, trifluoromethyl; R₂ = H, (un)branched (un)substituted C1-6 alk(en)yl; Ar = Q1, Q2 (Y = O, S; Y1 = H, O, S, CH₂; Z = O, S, CH₂; n = 1-3; R₅ = (un)branched C1-6 alk(en)yl)], and their pharmaceutically acceptable acid addition salts and stereoisomers, are prepared for use in treatment of central nervous system disorders, including anxiety, depression, and aggression, or in diseases related to cardiovascular, renal, and gastrointestinal systems. Methods of preparation of I and pharmaceutical compns. containing I are also provided. I have central serotonin activity with preference for the 5-HT_{1A} receptor. Thus, 3-[4-(4-(2-methoxyphenyl)-1-piperazinyl)-1-butyl]-1H-2,3-dihydroindole dioxalate (preparation given) inhibited 5-methoxy-N,N-dimethyltryptamine-induced 5-HT syndrome in rats with ED₅₀ = 1.9 μmole/kg. A tablet formulation contained 3-[4-(4-(1,4-benzodioxan-5-yl)-1-piperazinyl)-1-butyl]-1H-2,3-dihydroindole dioxalate 5, lactose 18, potato starch 27, saccharose 58, sorbitol 3, talcum 5, gelatine 2, povidone 1, and Mg stearate 0.5 mg.

IT 131084-14-5P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, for serotonergic 5-HT_{1A} agonist)

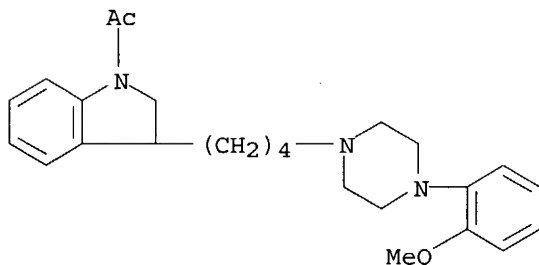
RN 131084-14-5 CAPLUS

CN 1H-Indole, 1-acetyl-2,3-dihydro-3-[4-[4-(2-methoxyphenyl)-1-piperazinyl]butyl]-, ethanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 131084-13-4

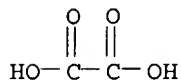
CMF C25 H33 N3 O2.



CM 2

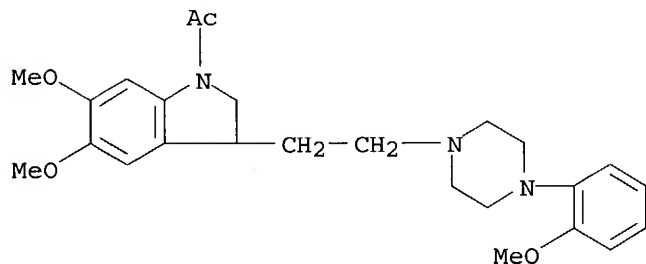
CRN 144-62-7

CMF C2 H2 O4



L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1976:44150 CAPLUS
 DN 84:44150
 TI 3-[2-(4-Phenyl-1-piperazinyl)ethyl]-indolines
 IN Allen, George Rodger, Jr.; McEvoy, Francis J.; VeVries, Vern G.; Moran,
 Daniel B.; Littell, Ruddy
 PA American Cyanamid Co., USA
 SO U.S., 13 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3900563	A	19750819	US 1974-473029	19740524
	US 3751416	A	19730807	US 1971-147700	19710527
	ES 409283	A1	19760316	ES 1972-409283	19721204
	CA 1056821	A2	19790619	CA 1977-276961	19770426
PRAI	US 1971-147700		19710527		
	US 1973-371201		19730618		
	CA 1972-140989		19720501		
	ES 1972-403245		19720527		
GI	For diagram(s), see printed CA Issue.				
AB	The title indoles I (R = H, MeCO, PhCO; R1 = H, Me; R2 = R3 = MeO, R2R3 = OCH2O) were prepared. Thus, 5,6-dimethoxyoxindole was treated with EtO2CCO2Et followed by reduction and acetylation to give 1-acetyl-5,6-dimethoxy-3-indoleethanol which with 1-(o-methoxyphenyl)piperazine gave I (R = MeCO, R1 = H, R2 = R3 = MeO) (II). At 1 mg/kg (oral) II caused a 50% reduction in the motor activity in mice.				
IT	40118-62-5P RL: SPN (Synthetic preparation); PREP (Preparation) (preparation and central nervous activity)				
RN	40118-62-5 CAPLUS				
CN	1H-Indole, 1-acetyl-2,3-dihydro-5,6-dimethoxy-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)				

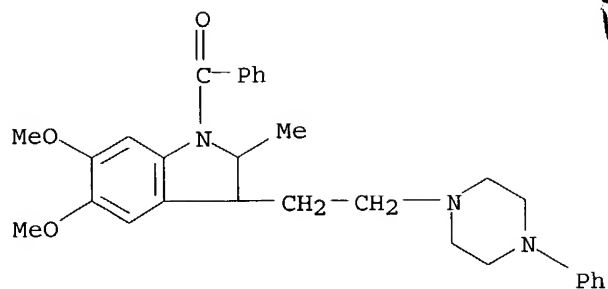


*excluded for
comps*

IT **40118-78-3P 40118-79-4P 49632-84-0P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 40118-78-3 CAPLUS
 CN 1H-Indole, 1-benzoyl-2,3-dihydro-5,6-dimethoxy-2-methyl-3-[2-(4-phenyl-1-piperazinyl)ethyl]- (9CI) (CA INDEX NAME)

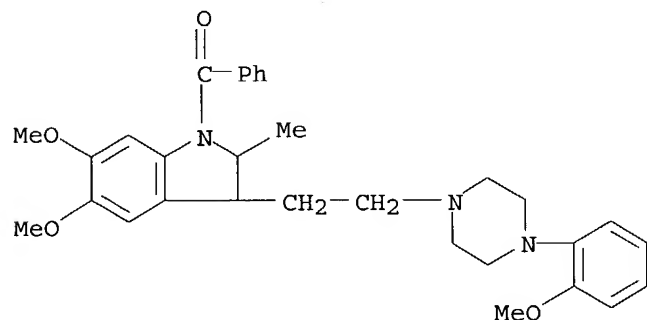
10/601347

prov. IV
exclud-?



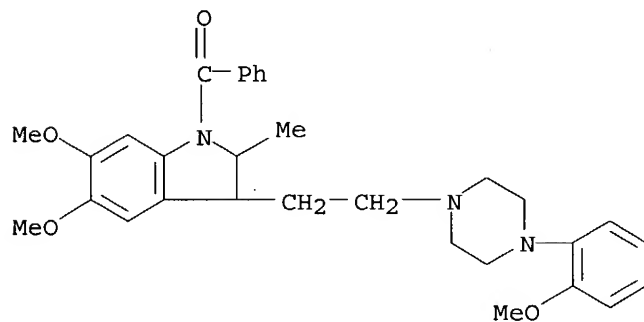
RN 40118-79-4 CAPLUS

CN 1H-Indole, 1-benzoyl-2,3-dihydro-5,6-dimethoxy-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]-2-methyl- (9CI) (CA INDEX NAME)



RN 49632-84-0 CAPLUS

CN 1H-Indole, 1-benzoyl-2,3-dihydro-5,6-dimethoxy-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]-2-methyl-, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

10/601347

L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1973:492287 CAPLUS
DN 79:92287
TI 1-Acyl-3-(2-[4-phenyl-1-piperazinyl]ethyl)indolines
IN Allen, George Rodger, Jr.; McEvoy, Francis J.; De Vries, Vern G.; Moran,
Daniel B.; Littell, Ruddy
PA American Cyanamid Co.
SO U.S., 14 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3751417	A	19730807	US 1971-171319	19710812
PRAI	US 1971-171319		19710812		

GI For diagram(s), see printed CA Issue.

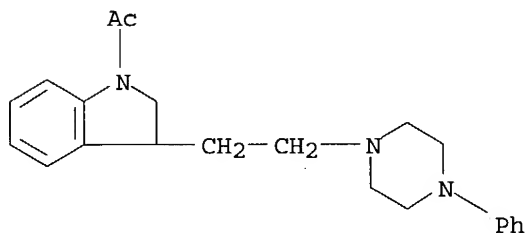
AB Preparation of the title indoline derivs. with analgesic properties is described. In an example, 1-acetyl-3-indolineacetic acid (I) was reduced (borane/THF) to the alc. II which on treatment with PBr₃ gave III. III on reaction with 1-phenylpiperazine gave IV (R₁ = R₂ = R₃ = H, R₄ = Ac). Also reported are IV [R₁ = 5,6-(MeO)₂, 5,6-methylenedioxy; R₂ = H, Me; R₃ = H, MeO; R₄ = Bz, p-ClC₆H₄CO, p-O₂NC₆H₄CO, EtCO, Ac, PrCO].

IT 40118-60-3P 40118-61-4P 40118-62-5P
40118-63-6P 40118-64-7P 40118-65-8P
40118-68-1P 40118-71-6P 40118-72-7P
40118-74-9P 40118-75-0P 40118-76-1P
40118-77-2P 40118-78-3P 40118-80-7P
40118-95-4P 40118-96-5P 49632-84-0P
49716-73-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

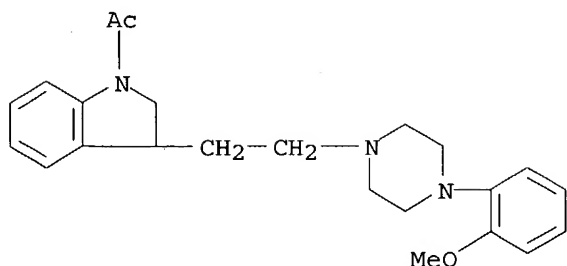
RN 40118-60-3 CAPLUS

CN 1H-Indole, 1-acetyl-2,3-dihydro-3-[2-(4-phenyl-1-piperazinyl)ethyl]- (9CI)
(CA INDEX NAME)



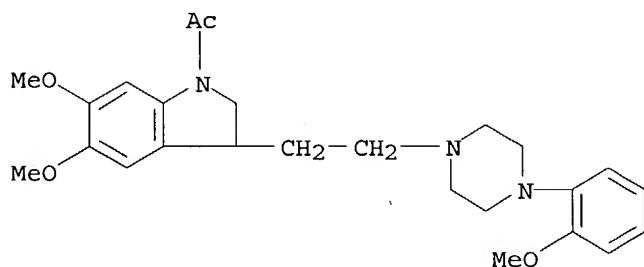
RN 40118-61-4 CAPLUS

CN 1H-Indole, 1-acetyl-2,3-dihydro-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



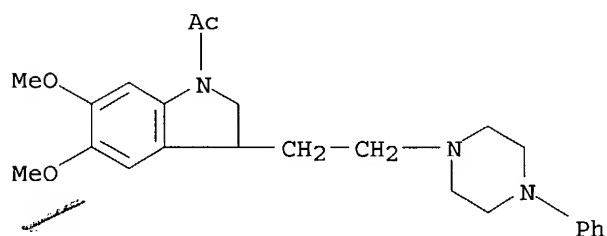
excl.

RN 40118-62-5 CAPLUS
CN 1H-Indole, 1-acetyl-2,3-dihydro-5,6-dimethoxy-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



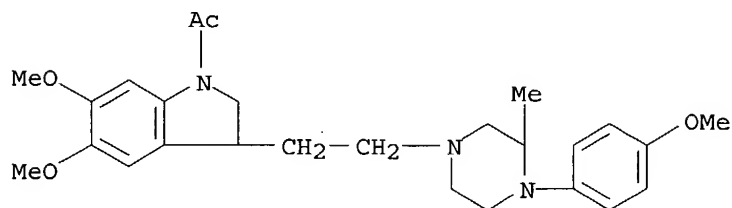
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RN 40118-63-6 CAPLUS
CN 1H-Indole, 1-acetyl-2,3-dihydro-5,6-dimethoxy-3-[2-(4-phenyl-1-piperazinyl)ethyl]- (9CI) (CA INDEX NAME)



11

RN 40118-64-7 CAPLUS
CN 1H-Indole, 1-acetyl-2,3-dihydro-5,6-dimethoxy-3-[2-[4-(4-methoxyphenyl)-3-methyl-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

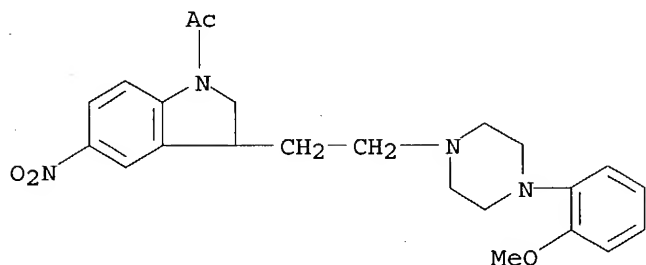


11

10/601347

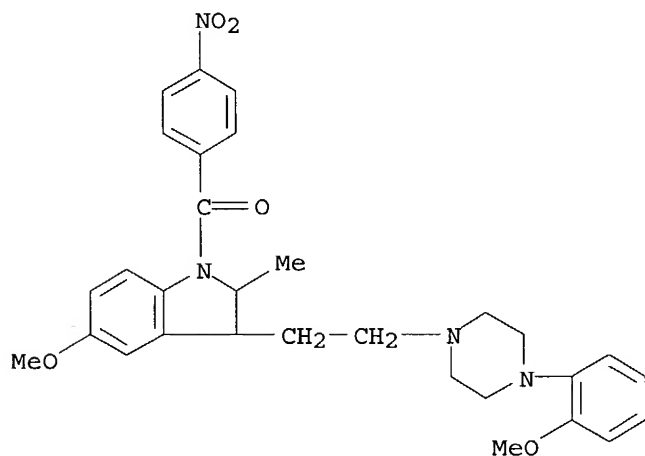
RN 40118-65-8 CAPLUS

CN 1H-Indole, 1-acetyl-2,3-dihydro-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]-5-nitro- (9CI) (CA INDEX NAME)



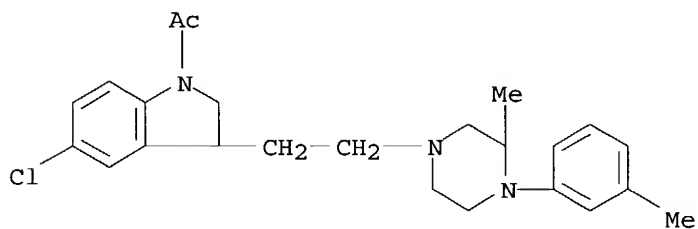
RN 40118-68-1 CAPLUS

CN 1H-Indole, 2,3-dihydro-5-methoxy-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]-2-methyl-1-(4-nitrobenzoyl)- (9CI) (CA INDEX NAME)



RN 40118-71-6 CAPLUS

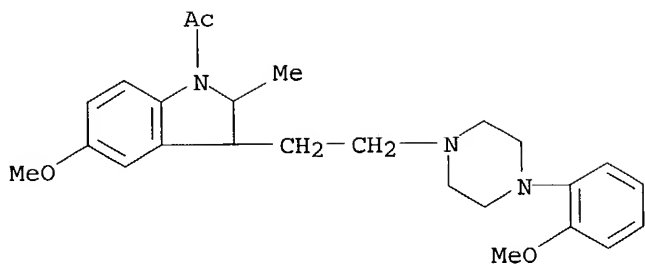
CN 1H-Indole, 1-acetyl-5-chloro-2,3-dihydro-3-[2-[3-methyl-4-(3-methylphenyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



RN 40118-72-7 CAPLUS

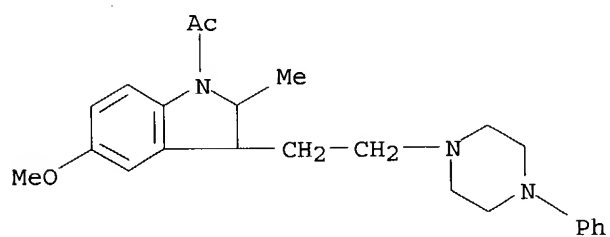
CN 1H-Indole, 1-acetyl-2,3-dihydro-5-methoxy-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]-2-methyl- (9CI) (CA INDEX NAME)

10/601347



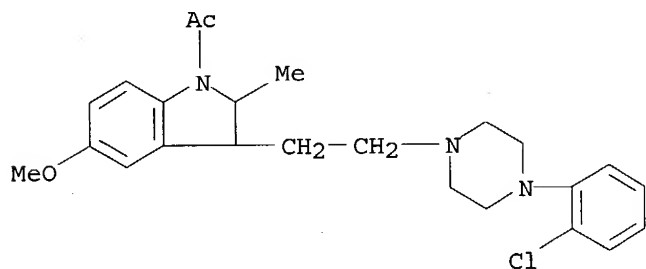
RN 40118-74-9 CAPLUS

CN 1H-Indole, 1-acetyl-2,3-dihydro-5-methoxy-2-methyl-3-[2-(4-phenyl-1-piperazinyl)ethyl]- (9CI) (CA INDEX NAME)



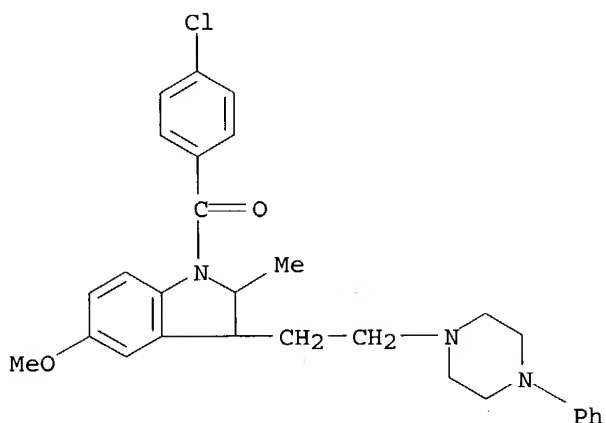
RN 40118-75-0 CAPLUS

CN 1H-Indole, 1-acetyl-3-[2-[4-(2-chlorophenyl)-1-piperazinyl]ethyl]-2,3-dihydro-5-methoxy-2-methyl- (9CI) (CA INDEX NAME)



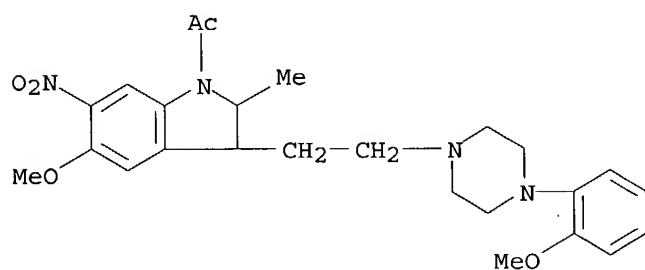
RN 40118-76-1 CAPLUS

CN 1H-Indole, 1-(4-chlorobenzoyl)-2,3-dihydro-5-methoxy-2-methyl-3-[2-(4-phenyl-1-piperazinyl)ethyl]- (9CI) (CA INDEX NAME)



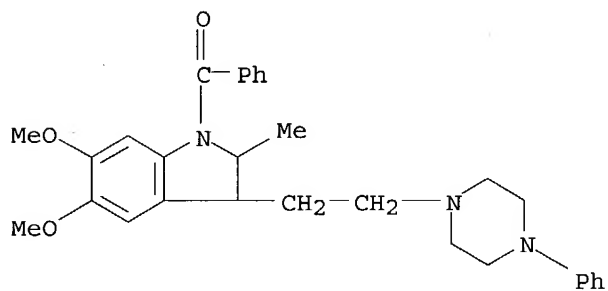
RN 40118-77-2 CAPLUS

CN 1H-Indole, 1-acetyl-2,3-dihydro-5-methoxy-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]-2-methyl-6-nitro- (9CI) (CA INDEX NAME)



RN 40118-78-3 CAPLUS

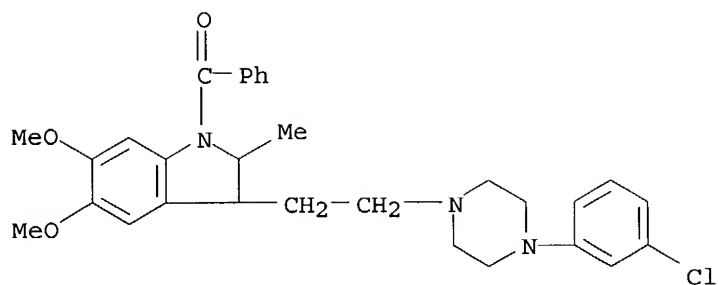
CN 1H-Indole, 1-benzoyl-2,3-dihydro-5,6-dimethoxy-2-methyl-3-[2-(4-phenyl-1-piperazinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 40118-80-7 CAPLUS

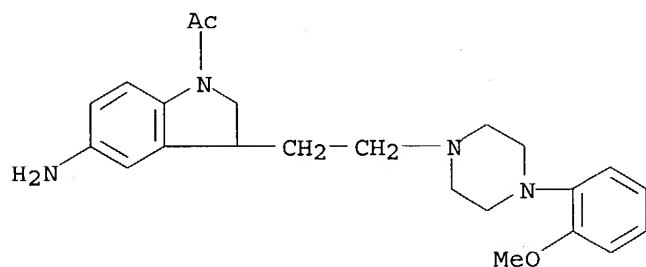
CN 1H-Indole, 1-benzoyl-3-[2-[4-(3-chlorophenyl)-1-piperazinyl]ethyl]-2,3-dihydro-5,6-dimethoxy-2-methyl- (9CI) (CA INDEX NAME)

10/601347



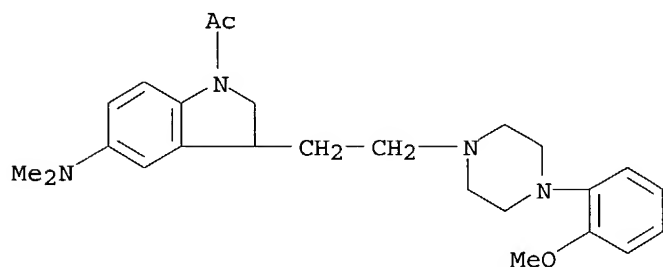
RN 40118-95-4 CAPLUS

CN 1H-Indol-5-amine, 1-acetyl-2,3-dihydro-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



RN 40118-96-5 CAPLUS

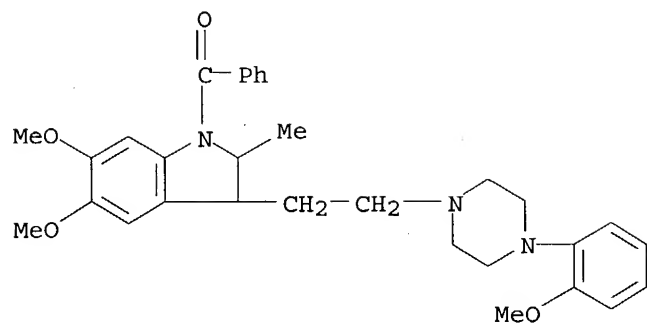
CN 1H-Indol-5-amine, 1-acetyl-2,3-dihydro-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



RN 49632-84-0 CAPLUS

CN 1H-Indole, 1-benzoyl-2,3-dihydro-5,6-dimethoxy-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]-2-methyl-, dihydrochloride (9CI) (CA INDEX NAME)

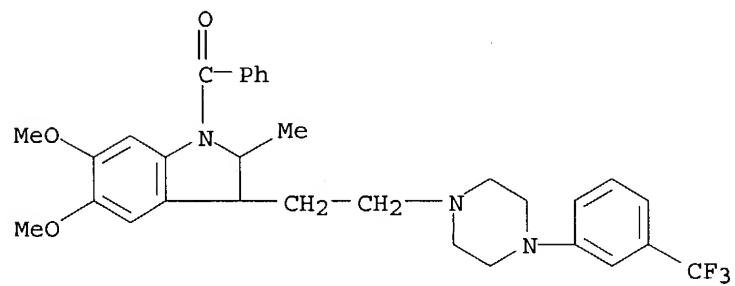
10/601347



● 2 HCl

RN 49716-73-6 CAPLUS

CN 1H-Indole, 1-benzoyl-2,3-dihydro-5,6-dimethoxy-2-methyl-3-[2-[4-[3-(trifluoromethyl)phenyl]-1-piperazinyl]ethyl]-, monohydrochloride (9CI)
(CA INDEX NAME)



● HCl

10/601347

L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1973:84255 CAPLUS
DN 78:84255
TI 3-[2-(4-Phenyl-1-piperazinyl)ethyl]indolines
IN Allen, George Rodger, Jr.; McEvoy, Francis Joseph; DeVries, Vern Gordon;
Moran, Daiel Bryan; Litell, Ruddy
PA American Cyanamid Co.
SO Ger. Offen., 87 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 2225765	A	19721207	DE 1972-2225765	19720526
	US 3751416	A	19730807	US 1971-147700	19710527
	ZA 7202916	A	19730228	ZA 1972-2916	19720501
	CA 1014154	A1	19770719	CA 1972-140989	19720501
	GB 1382916	A	19750205	GB 1972-20674	19720503
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	AU 7241918	A1	19731108	AU 1972-41918	19720504
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	CH 583700	A	19770114	CH 1976-7595	19720526
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	SE 395455	B	19770815	SE 1972-6918	19720526
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	RO 63730	P	19781115	RO 1972-80194	19720526
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	HU 167203	P	19750927	HU 1972-AE400	19720527
	HU 168720	P	19760728	HU 1972-AE401	19720527
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	ES 409281	A1	19760316	ES 1972-409281	19721204
	ES 409283	A1	19760316	ES 1972-409283	19721204
	US 3900495	A	19750819	US 1973-350445	19730412
	SU 575024	D	19770930	SU 1973-1953507	19730726
	SU 488408	D	19751015	SU 1973-1960738	19730913
	SE 7600531	A	19760120	SE 1976-531	19760120
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CA 1972-140989 19720501
 ES 1972-403245 19720527

GI For diagram(s), see printed CA Issue.

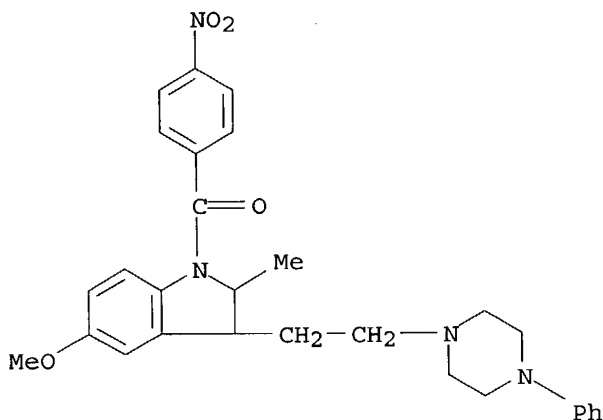
AB Approx. 60 piperazinyloxyethylindolines I (R = Ac, Bz, H, etc.; R1 = Me, H; R2 = H, o-, p-MeO, o-, m-Me, o-, m-Cl, etc.; R3 = H, MeO, Br, O2N, Ac, etc.; R4 = MeO), tranquilizers, were prepared by reaction of a piperazine with a 3-(2-bromoethyl)indoline. Dosages of I for 50% reduction of motor activity in mice were given.

IT 40118-93-2

RL: RCT (Reactant); RACT (Reactant or reagent)
 (hydrolysis of)

RN 40118-93-2 CAPLUS

CN 1H-Indole, 2,3-dihydro-5-methoxy-2-methyl-1-(4-nitrobenzoyl)-3-[2-(4-phenyl-1-piperazinyl)ethyl]- (9CI) (CA INDEX NAME)

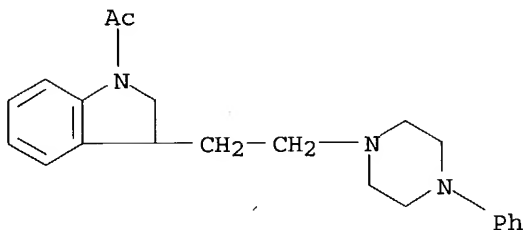


IT 40118-60-3P 40118-61-4P 40118-62-5P
 40118-63-6P 40118-64-7P 40118-65-8P
 40118-68-1P 40118-71-6P 40118-72-7P
 40118-73-8P 40118-74-9P 40118-75-0P
 40118-76-1P 40118-77-2P 40118-78-3P
 40118-79-4P 40118-80-7P 40118-81-8P
 40118-95-4P 40118-96-5P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 40118-60-3 CAPLUS

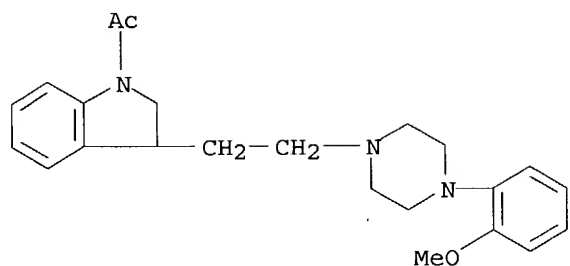
CN 1H-Indole, 1-acetyl-2,3-dihydro-3-[2-(4-phenyl-1-piperazinyl)ethyl]- (9CI)
 (CA INDEX NAME)



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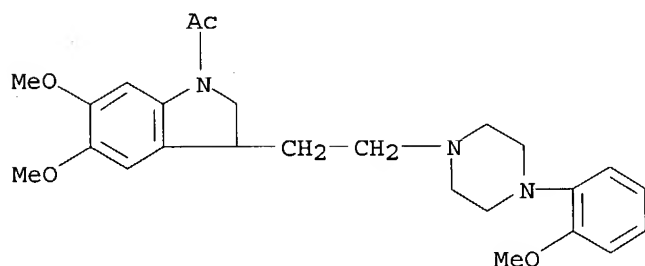
RN 40118-61-4 CAPLUS

CN 1H-Indole, 1-acetyl-2,3-dihydro-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



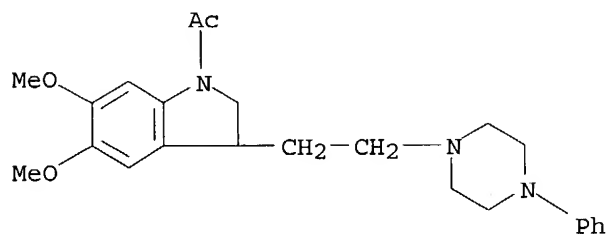
RN 40118-62-5 CAPLUS

CN 1H-Indole, 1-acetyl-2,3-dihydro-5,6-dimethoxy-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



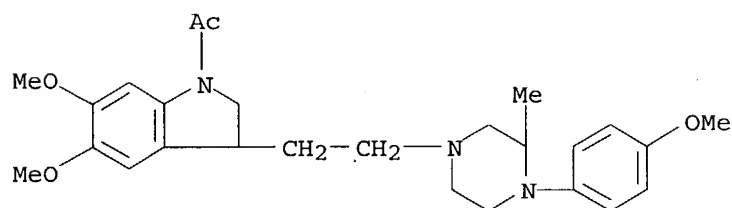
RN 40118-63-6 CAPLUS

CN 1H-Indole, 1-acetyl-2,3-dihydro-5,6-dimethoxy-3-[2-(4-phenyl-1-piperazinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 40118-64-7 CAPLUS

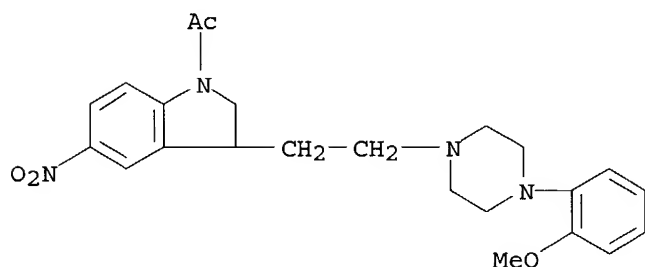
CN 1H-Indole, 1-acetyl-2,3-dihydro-5,6-dimethoxy-3-[2-[4-(4-methoxyphenyl)-3-methyl-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



10/601347

RN 40118-65-8 CAPLUS

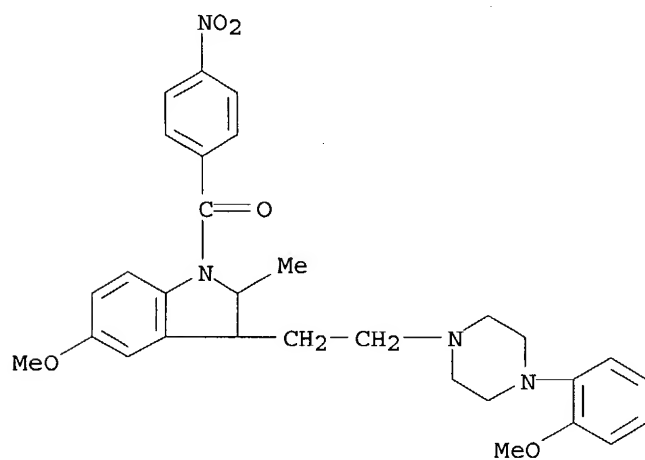
CN 1H-Indole, 1-acetyl-2,3-dihydro-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]-5-nitro- (9CI) (CA INDEX NAME)



excl.

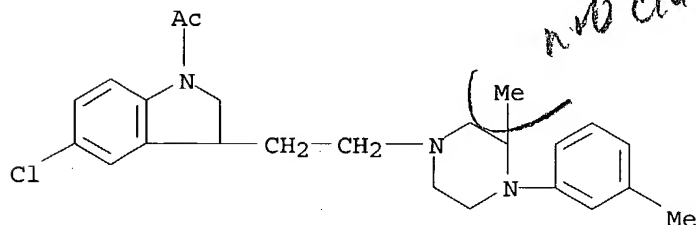
RN 40118-68-1 CAPLUS

CN 1H-Indole, 2,3-dihydro-5-methoxy-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]-2-methyl-1-(4-nitrobenzoyl)- (9CI) (CA INDEX NAME)



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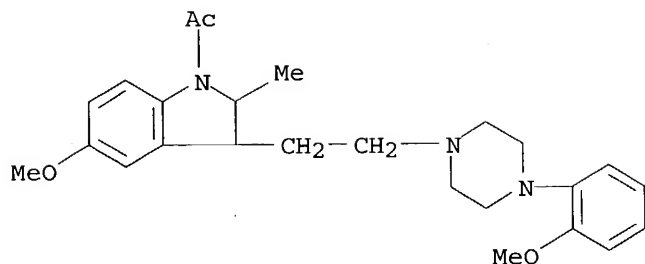
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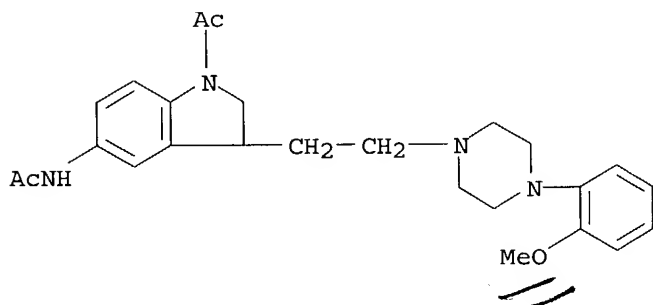
RN 40118-72-7 CAPLUS

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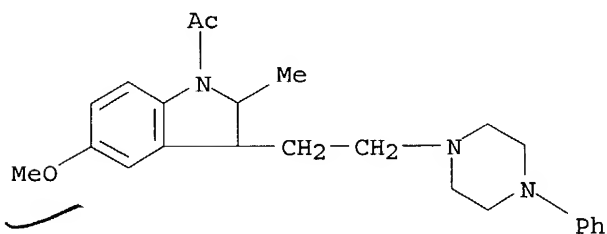
RN 40118-73-8 CAPLUS

CN Acetamide, N-[1-acetyl-2,3-dihydro-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]-1H-indol-5-yl]- (9CI) (CA INDEX NAME)



RN 40118-74-9 CAPLUS

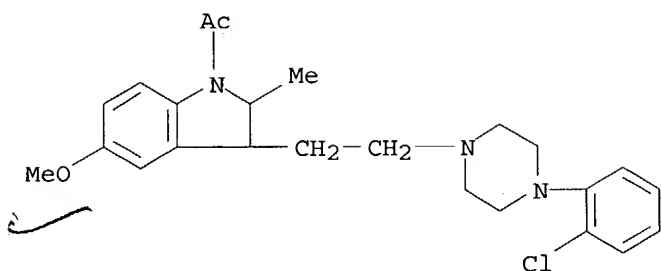
CN 1H-Indole, 1-acetyl-2,3-dihydro-5-methoxy-2-methyl-3-[2-(4-phenyl-1-piperazinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 40118-75-0 CAPLUS

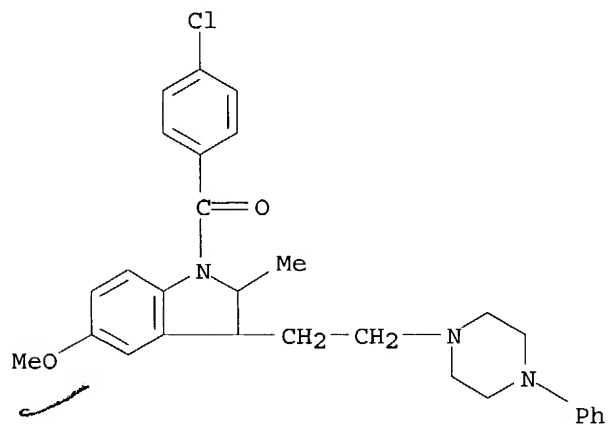
CN 1H-Indole, 1-acetyl-3-[2-[4-(2-chlorophenyl)-1-piperazinyl]ethyl]-2,3-dihydro-5-methoxy-2-methyl- (9CI) (CA INDEX NAME)

10/601347



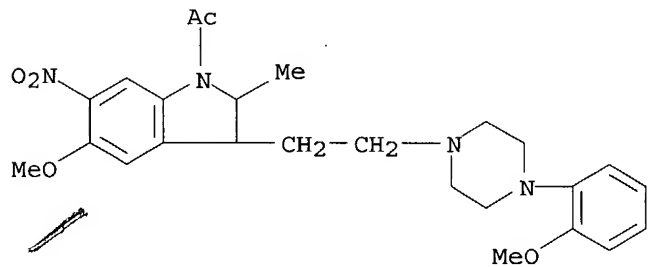
RN 40118-76-1 CAPLUS

CN 1H-Indole, 1-(4-chlorobenzoyl)-2,3-dihydro-5-methoxy-2-methyl-3-[2-(4-phenyl-1-piperazinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 40118-77-2 CAPLUS

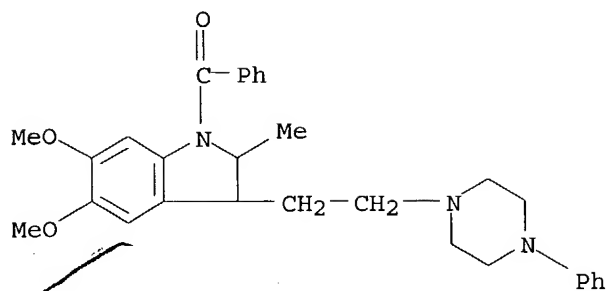
CN 1H-Indole, 1-acetyl-2,3-dihydro-5-methoxy-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]-2-methyl-6-nitro- (9CI) (CA INDEX NAME)



RN 40118-78-3 CAPLUS

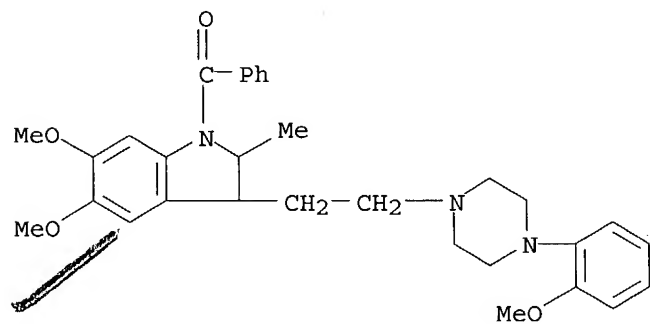
CN 1H-Indole, 1-benzoyl-2,3-dihydro-5,6-dimethoxy-2-methyl-3-[2-(4-phenyl-1-piperazinyl)ethyl]- (9CI) (CA INDEX NAME)

10/601347



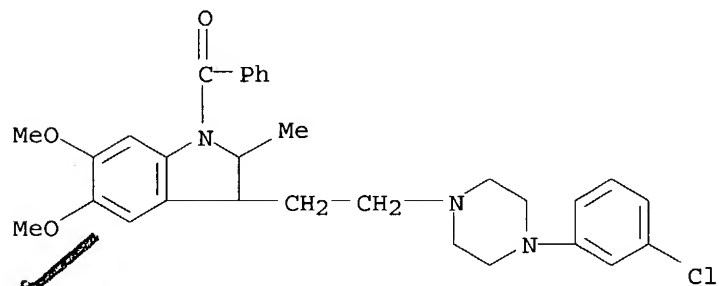
RN 40118-79-4 CAPLUS

CN 1H-Indole, 1-benzoyl-2,3-dihydro-5,6-dimethoxy-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]-2-methyl- (9CI) (CA INDEX NAME)



RN 40118-80-7 CAPLUS

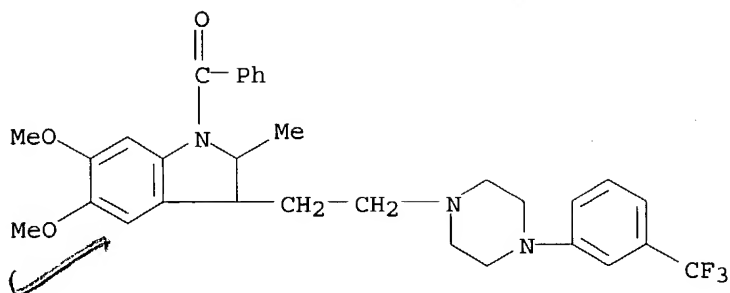
CN 1H-Indole, 1-benzoyl-3-[2-[4-(3-chlorophenyl)-1-piperazinyl]ethyl]-2,3-dihydro-5,6-dimethoxy-2-methyl- (9CI) (CA INDEX NAME)



RN 40118-81-8 CAPLUS

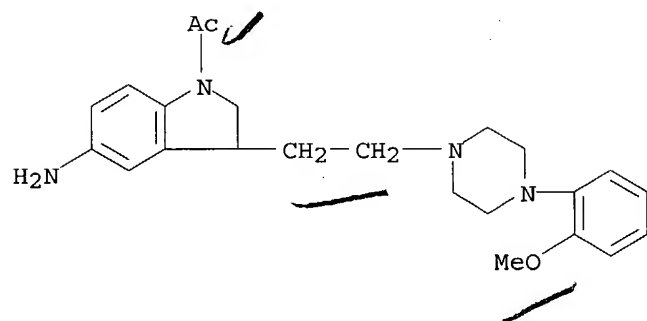
CN 1H-Indole, 1-benzoyl-2,3-dihydro-5,6-dimethoxy-2-methyl-3-[2-[4-(3-(trifluoromethyl)phenyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

10/601347



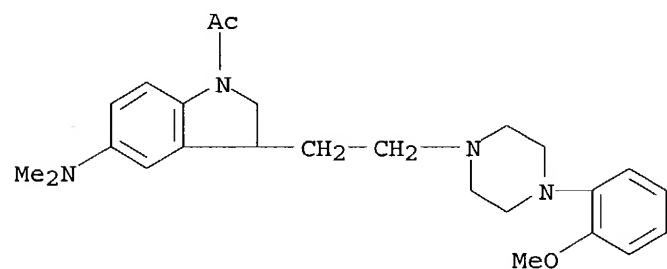
RN 40118-95-4 CAPLUS

CN 1H-Indol-5-amine, 1-acetyl-2,3-dihydro-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



RN 40118-96-5 CAPLUS

CN 1H-Indol-5-amine, 1-acetyl-2,3-dihydro-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



10/601347

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